

PATENT ABSTRACTS OF JAPAN

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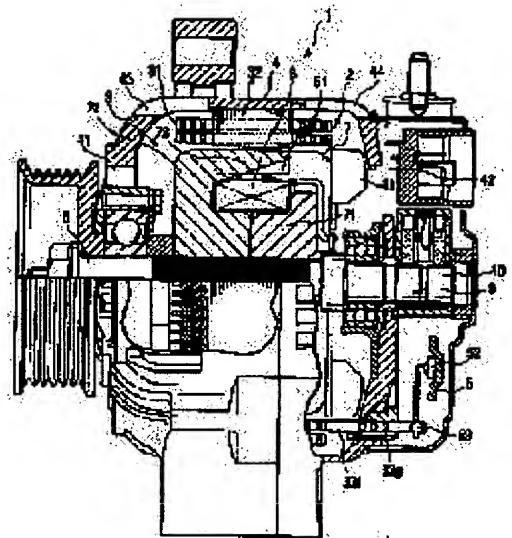
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(54) VEHICLE AC GENERATOR

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a vehicle AC generator which is small in size, high in power and low in noise.

SOLUTION: A vehicle AC generator 1 has a lander-type rotor 3 which supplies cooling air to a stator 2 provided outside the rotor 3. A stator 32 has a stator core 32 stator windings provided in a plurality of slots 35 formed in the stator core 32. The stator windings include 2 sets of 3-phase windings, whose electrical angles are different from each other by 30 degrees and are connected so as to composite the outputs of the windings into 3-phase output. Coil ends 31 are formed on the end parts in the axial direction of the stator core 32. The coil ends 31 are arranged neatly separately from each other, and all the windings are cooled uniformly by the cooling air supplied by the rotation of the rotor 3.



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